Percutaneous transluminal coronary rotational atherectomy for lesions of the coronary arteries

Medical Services Advisory Committee

Record Status
This is a bibliographic record of a published health technology assessment from a member of INAHTA. No evaluation of the quality of this assessment has been made for the HTA database.

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Authors' objectives
This report aims to systematically review the literature on percutaneous transluminal coronary rotational atherectomy (PTCRA), one of the newer cardiac interventional devices used to treat coronary artery stenoses.

Authors' conclusions
MSAC recommended that on the evidence pertaining to percutaneous transluminal coronary rotational atherectomy (PTCRA):

1) Public funding is supported for the following specific indications:
   a) For revascularisation of complex and heavily calcified coronary artery lesions which cannot be treated by percutaneous transluminal coronary angioplasty (PTCA) alone or when previous PTCA attempts have not been successful; and
   b) For revascularisation of complex and heavily calcified coronary artery stenoses where coronary artery bypass graft (CABG) surgery is contra-indicated.

2) Public funding is not supported for the following indications:
   a) For revascularisation of coronary artery stenoses which can be satisfactorily treated by PTCA alone, with or without stent placement; and
   b) For revascularisation of coronary artery in-stent restenoses as a result of prior coronary artery intravascular interventions (since no long-term data exist and short-term data are conflicting).

Project page URL

INAHTA brief and checklist

Indexing Status
Subject indexing assigned by CRD

MeSH
Atherectomy /methods; Cardiac Surgical Procedures; Coronary Stenosis; Costs and Cost Analysis; Myocardial Revascularization